

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## THE APPLICATION OF:

SAVERIO CARL FALCO ET. AL.

CASE NO.: BB1179USCIP

APPLICATION NO.: 10/658232

CONFIRMATION NO.:

GROUP ART UNIT: UNKNOWN

**EXAMINER: UNKNOWN** 

FILED: SEPTEMBER 08, 2003

FOR: TETRAHYDROFOLATE METABOLISM ENZYMES

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08. A copy of the information is also enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

EMIL M. OROZCO, JR. AGENT FOR APPLICANTS

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Dated: February 06, 2004

Enclosures

PTO/SB/08b (08-03)
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				Application Number	10/658232	
INF	<b>ORMATION DI</b>	ISCLO	SURE	Filing Date	September 08, 2003	
STA	ATEMENT BY	<b>APPLI</b>	CANT	First Named Inventor	Saverio Carl Falco Et. Al.	
				Art Unit	Unknown	
	(Use as many sheets as	s necessary,	)	Examiner Name	Unknown	
Sheet	1	of	3	Attorney Docket Number	BB1179USCIP	

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	1	PHILIPPE GOYETTE ET AL., Gene structure of human and mouse methlenetetrahydrofolate reductase (MTHFR), Mammalian Genome 9:652-656, 1998			
	2	B. D. GUENTHER ET AL., How folate fights disease, Nature structural biology, volume 6(4):293-294, 1999			
	3	BELEN TIZON ET AL., Identification of a Putative Methylenetetrahydrofolate Reductase by Sequence Analysis of a 6 8 kb DNA Fragment of Yeast Chromosome VII, Yeast, vol. 12:1047-1051, 1996			
	4	MARY G. WEST ET AL., Cloning and Characterization of the Saccharomyces cerevisiae Gene Encoding NAD-dependent 5,10-Methylenetetrahydrofolate Dehydrogenase, The Journal of Biological Chemistry, Vol. 268(5):153-160, 1993			
	5	LINDA D'ARI ET AL., Purification, Characterization, Cloning, and Amino Acid Sequence of the Bifunctional Enzyme 5,10-Methylenetetrahydrofolate Dehydrogenase/5,10-Methenyltetrahydrofolate Cyclohydrolase from Escherichia coli, The Journal of Biological Chemistry, Vol. 266(35):23953-23958, 1991			
	6	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO: 5911425, ACCESSION NO: AAD55787, DECEMBER 13, 1999, S. ROJE ET AL., Isolation, characterization, and functional expression of cDNAs encoding NADH-dependent methylenetetrahydrofolate reductase from higher plants			
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$\overline{}$	Sheet	2	of	3	Attorney Docket Number	BB1179USCIP	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	7	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO: 5911427, ACCESSION NO: AAD55788, DECEMBER 13, 1999, S. ROJE ET AL., Isolation, characterization, and functional expression of cDNAs encoding NADH-dependent methylenetetrahydrofolate reductase from higher plants	
	8	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO: 5802606, ACCESSION NO: AAD51733, DECEMBER 13, 1999, S. ROJE ET AL., Isolation, characterization, and functional expression of cDNAs encoding NADH-dependent methylenetetrahydrofolate reductase from higher plants	
	9	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4753778, ACCESSION NO: CAB41971, MAY 4, 1999, A. HOMBERGER ET AL., Revised translation initiation site of the human methylenetetrahydrofolate reductase (MTHFR)	
***************************************	10	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1723913, ACCESSION NO. P53128, OCTOBER 16, 2001, B. TIZON ET AL., Identification of a putative methylenetetrahydrofolate reductase by sequence analysis of a 6.8 kb DNA fragment of yeast chromosome VII	
	11	SANJA ROJE ET AL., Metabolic Engineering in Yeast Demonstrates that S-Adenosylmethionine Controls Flux through the Methylenetetrahydrofolate Reductase Reaction in Vivo, The Journal of Biological Chemistry, Vol. 277(6):4056-4061, 2002	
	12	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4336819, ACCESSION NO: AAD17965, JULY 5, 2001, P. GOYETTE ET AL., Gene structure of human and mouse methylenetetrahydrofolate	
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	13	SANJA ROJE ET AL., Isolation, Characterization, and Functional Expression of cDNAs Encoding NADH-dependent Methylenetetrahydrofolate Reductase from Higher Plants, The Journal of Biological Chemistry, Vol. 274(51):36089-36096, 1999	
	14	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1723913, ACCESSION NO: P53128, OCTOBER 16, 2001, B. TIZON ET AL., Identification of a putative methylenetetrahydrofolate reductase by sequence analysis of a 6.8 kb DNA fragment of yeast chromosome VII	
	15	XIAOYIN SHAN ET AL., Functional Characterization of Human Methylenetetrahydrofolate Reductase in Saccharomyces cerevisiae, The Journal of Biological Chemistry, Vol. 274(46):32613-32618, 1999	
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